Review Test Submission: Quiz 7.1

User	David Kirby
Course	Intro to Control Systems - Fall 2020 Section Group I67
Test	Quiz 7.1
Started	10/19/20 11:18 AM
Submitted	10/19/20 11:23 AM
Status	Completed
Attempt Score	4 out of 4 points
Time Elapsed	5 minutes
Results Displayed	Submitted Answers, Incorrectly Answered Questions

Question 1

1 out of 1 points

True or false? Steady-state error describes the system's ability to track reference trajectories.

Selected Answer: True

Question 2

1 out of 1 points

True or false? All asymptotically stable systems have steady-state error $e_{ss} = 0$.

Selected Answer: False

Question 3

1 out of 1 points

For a system $G(s)$ with input $R(s)$ and output $Y(s)$, the error is defined as

Selected Answer:

$$E(s) = R(s) - Y(s)$$

Question 4

1 out of 1 points

For a system with error $E(s)$, steady-state error is defined as

Selected Answer:

$$e_{ss} = \lim_{t \to \infty} e(t) = \lim_{s \to 0} sE(s)$$

Monday, October 19, 2020 11:23:55 AM MDT

← OK